

SEP 25 2000

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PTO/SB/21 (12-97)

Approved for use through 9/30/00. OMB 0651-0081

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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SEC 002  
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# TRANSMITTAL FORM

(TO BE USED FOR ALL CORRESPONDENCE AFTER INITIAL FILING)

|                                  |                  |
|----------------------------------|------------------|
| <b>Application Number</b>        | 09/590,985       |
| <b>Filing Date</b>               | 06/09/00         |
| <b>First Name &amp; Inventor</b> | HARRY R. ALLCOCK |
| <b>Group Art Unit</b>            |                  |
| <b>Examiner Name</b>             |                  |

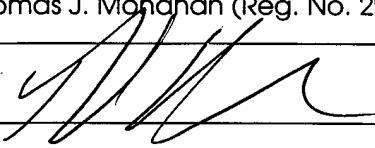
|  |   |                        |         |
|--|---|------------------------|---------|
| Total Number of Pages in This Submission | 4 | Attorney Docket Number | 99-2127 |
|--|---|------------------------|---------|

**ENCLOSURES (check all that apply)**

|   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment / Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition<br><br><input type="checkbox"/> To Convert a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Small Entity Statement<br><br><input type="checkbox"/> Request for Refund | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><br><input type="checkbox"/> Additional Enclosure(s) (please identify below):<br><div style="border: 1px solid black; height: 40px; width: 100%;"></div> |
|---|---|--|

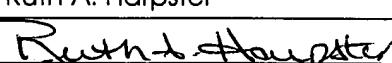
Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |   |
|-------------------------|---|
| Firm or Individual Name | Thomas J. Monahan (Reg. No. 29,835)   |
| Signature               |  |
| Date                    | September 22, 2000  |

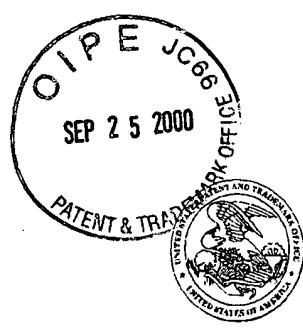
**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

|                       |   |      |          |
|-----------------------|---|------|----------|
| Typed or Printed Name | Ruth A. Harpster  | Date | 09/22/00 |
| Signature             |  |      |          |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case.

Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/590,985         | 06/09/2000          | Harry R. Allcock      | 99-2127                |

## FORMALITIES LETTER



\*OC000000005357661\*

Thomas J Monahan  
Intellectual property Office  
The Pennsylvania State university  
113 Technology Center  
University park, PA 16802-7000

Date Mailed: 08/28/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

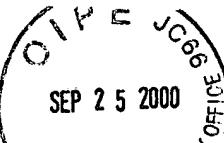
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
  
- The balance due by applicant is \$ 65.

*A copy of this notice MUST be returned with the reply.*

Aimar Sahle

Customer Service Center  
Initial Patent Examination Division (703) 308-1202  
PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/27/2000 SSESHE1 00000111 161133 09590985  
01 FC-205 65.00 CH



# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | 09/590,985       |
| Filing Date          | 06/09/00         |
| First Named Inventor | HARRY R. ALLCOCK |
| Examiner Name        |                  |
| Group / Art Unit     |                  |

**TOTAL AMOUNT OF PAYMENT**
**( \$ )**
**65.00**
**Attorney Docket No.**
**99-2127**
**METHOD OF PAYMENT (check one)**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account No. **16-1133**

Deposit Account Name

Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17       Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2.  **Payment Enclosed**

Check     Money Order     Other

**FEE CALCULATION**
**1. BASIC FILING FEE**

| Large Entity Fee Code | Entity Fee (\$) | Small Entity Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------|-----------------------|-----------------|------------------------|----------|
| 101                   | 690             | 201                   | 345             | Utility filing fee     |          |
| 106                   | 310             | 206                   | 155             | Design filing fee      |          |
| 107                   | 480             | 207                   | 240             | Plant filing fee       |          |
| 108                   | 690             | 208                   | 345             | Reissue filing fee     |          |
| 114                   | 150             | 214                   | 75              | Provisional filing fee |          |
| <b>SUBTOTAL (1)</b>   |                 | <b>( \$ )</b>         |                 | <b>0.00</b>            |          |

**2. EXTRA CLAIM FEES**

| Total Claims       | -20** =  | x | = | Fee from below | Fee Paid |
|--------------------|----------|---|---|----------------|----------|
| Independent Claims | - 3 ** = | x | = |                |          |
| Multiple Dependent |          |   | = |                |          |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code | Entity Fee (\$) | Small Entity Fee Code | Entity Fee (\$) | Fee Description   |
|-----------------------|-----------------|-----------------------|-----------------|---|
| 103                   | 18              | 203                   | 9               | Claims in excess of 20                                    |
| 102                   | 78              | 202                   | 39              | Independent claims in excess of 3                         |
| 104                   | 260             | 204                   | 130             | Multiple dependent claim, if not paid                     |
| 109                   | 78              | 209                   | 39              | **Reissue independent claims over original patent         |
| 110                   | 18              | 210                   | 9               | **Reissue claims in excess of 20 and over original patent |
| <b>SUBTOTAL (2)</b>   |                 | <b>( \$ )</b>         |                 | <b>0.00</b>   |

**FEE CALCULATION (continued)**
**3. ADDITIONAL FEES**

| Large Entity Fee Code              | Entity Fee (\$) | Small Entity Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|------------------------------------|-----------------|-----------------------|-----------------|--|----------|
| 105                                | 130             | 205                   | 65              | Surcharge - late filing fee or oath  | 65.00    |
| 127                                | 50              | 227                   | 25              | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                                | 130             | 139                   | 130             | Non-English specification  |          |
| 147                                | 2,520           | 147                   | 2,520           | For filing a request for reexamination                                     |          |
| 112                                | 920*            | 112                   | 920*            | Requesting publication of SIR prior to Examiner action                     |          |
| 113                                | 1,840*          | 113                   | 1,840*          | Requesting publication of SIR after Examiner action                        |          |
| 115                                | 110             | 215                   | 55              | Extension for reply within first month                                     |          |
| 116                                | 380             | 216                   | 190             | Extension for reply within second month                                    |          |
| 117                                | 870             | 217                   | 435             | Extension for reply within third month                                     |          |
| 118                                | 1,360           | 218                   | 680             | Extension for reply within fourth month                                    |          |
| 128                                | 1,850           | 228                   | 925             | Extension for reply within fifth month                                     |          |
| 119                                | 300             | 219                   | 150             | Notice of Appeal   |          |
| 120                                | 300             | 220                   | 150             | Filing a brief in support of an appeal                                     |          |
| 121                                | 260             | 221                   | 130             | Request for oral hearing   |          |
| 138                                | 1,510           | 138                   | 1,510           | Petition to institute a public use proceeding                              |          |
| 140                                | 110             | 240                   | 55              | Petition to revive - unavoidable   |          |
| 141                                | 1,210           | 241                   | 605             | Petition to revive - unintentional   |          |
| 142                                | 1,210           | 242                   | 605             | Utility issue fee (or reissue)   |          |
| 143                                | 430             | 243                   | 215             | Design issue fee   |          |
| 144                                | 580             | 244                   | 290             | Plant issue fee  |          |
| 122                                | 130             | 122                   | 130             | Petitions to the Commissioner  |          |
| 123                                | 50              | 123                   | 50              | Petitions related to provisional application                               |          |
| 126                                | 240             | 126                   | 240             | Submission of Information Disclosure Stmt                                  |          |
| 581                                | 40              | 581                   | 40              | Recording each patent assignment per property (times number of properties) |          |
| 146                                | 760             | 246                   | 380             | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149                                | 760             | 249                   | 380             | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| Other fee (specify) _____          |                 |                       |                 |  |          |
| Other fee (specify) _____          |                 |                       |                 |  |          |
| * Reduced by Basic Filing Fee Paid |                 |                       |                 |  |          |
| <b>SUBTOTAL (3)</b>                |                 | <b>( \$ )</b>         |                 | <b>65.00</b>   |          |

**SUBMITTED BY**

Typed or Printed Name **Thomas J. Monahan**

Complete (if applicable)

Reg. Number

**29,835**

Signature

Date

09/22/00

Deposit Account User ID